

ABSTRACT

The lubrication distribution system can be used whenever two chambers are separated by a wall with a source of lubrication in one chamber, a suction source in the other chamber and a pair of pathways between them for transporting oil. The oil distribution system for the internal combustion chamber uses appropriately placed ports and centrifugal force generated by a flywheel to provide lubrication for all moving parts in the engine. Oil is delivered from a sump to the cam chest. The cam chest is separated from the flywheel housing by a wall. A venturi port opening in the wall creates suction in the cam chest by virtue of the centrifugal force created by the flywheel. An air-oil mixture is circulated throughout the cam chest and through the venturi port opening. The oil mixture is circulated through the flywheel housing and returned to the cam chest through a second set of ports between the cam chest and flywheel housing.